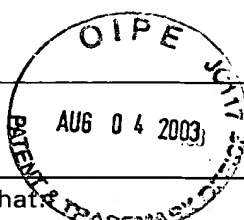


**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**



PATENT APPLICATION

ATTORNEY DOCKET NO. 10007794 -1

As a below named inventor, I hereby declare that  
My residence/post office address and citizenship are as stated below next to my name;  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Annealed Tunneling Emitter (As Amended)**

the specification of which is attached hereto unless the following box is checked:

(X) was filed on Apr 30, 2001 as US Application No. or PCT International Application  
Number 09/846127 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

**Foreign Application(s) and/or Claim of Foreign Priority**

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

| COUNTRY | APPLICATION NUMBER | DATE FILED | PRIORITY CLAIMED UNDER 35 U.S.C. 119 |
|---------|--------------------|------------|--------------------------------------|
|         |                    |            | YES: _____ NO: _____                 |
|         |                    |            | YES: _____ NO: _____                 |

**Provisional Application**

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

| APPLICATION NUMBER | FILING DATE |
|--------------------|-------------|
|                    |             |
|                    |             |

**U. S. Priority Claim**

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| APPLICATION NUMBER | FILING DATE | STATUS (patented/pending/abandoned) |
|--------------------|-------------|-------------------------------------|
|                    |             |                                     |
|                    |             |                                     |
|                    |             |                                     |

**POWER OF ATTORNEY:**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number 022879

Place Customer  
Number Bar Code  
Label here

Send Correspondence to:  
**HEWLETT-PACKARD COMPANY**  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

Direct Telephone Calls To:

**Timothy F. Myers**  
541 715 4197

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TECHNOLOGY CENTER 2800

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Zhizhang Chen

Citizenship: US

Residence: 4411 Snowbrush Dr. Corvallis, OR 97330

Post Office Address: Sam as Residenc

Inventor's Signature Zhizhang Chen

Date 7/18/2003

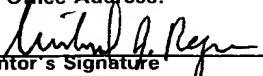
**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION (continued)**

ATTORNEY CASE NO. 10007794 -1

Full Name of # 2 joint inventor: Michael J. R gan Citizenship: US

Residence: 3210 NW Arrowood Circle Corvallis OR 97330

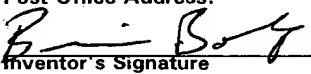
Post Office Address: same as residence

Inventor's Signature:  Date: 7/28/03

Full Name of # 3 joint inventor: Brian E Bolf Citizenship: US

Residence: 4419 Madrona Way SE Albany, OR 97321

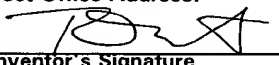
Post Office Address: Same as Residence.

Inventor's Signature:  Date: 7-31-3

Full Name of # 4 joint inventor: Thomas Novet Citizenship: US

Residence: 2905 NW Ashwood Drive Corvallis, OR 97330 USA


Post Office Address: Same as Residence

Inventor's Signature:  Date: 7/23/03

Full Name of # 5 joint inventor: Paul J. Benning Citizenship: US

Residence: 4 Churchill Lane Lexington, MA 02421 US


Post Office Address: Same as residence

Inventor's Signature:  Date: 7-14-03

Full Name of # 6 joint inventor: Mark Alan Johnstone Citizenship: US

Residence: 33949 Bond Road Lebanon, OR 97355 USA


Post Office Address: Same as Residence

Inventor's Signature:  Date: 7/21/03

Full Name of # 7 joint inventor: Sriram Ramamoorthi Citizenship: IN

Residence: 5475 S.W. Windflower Drive Corvallis, OR 97333

Post Office Address: Same as residence

Inventor's Signature:  Date: 7/21/03

Full Name of # 8 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_